

116240

3/9 05p

C&P

From: Chernyshev, Olga
Sent: Monday, March 08, 2004 1:16 PM
To: STIC-Biotech/ChemLib
Subject: sequence search request

US case 09/905,075. Interference search for SEQ ID NO: 2.

Please print out a summary table of direct 100% hits.

Thank you very much!

Olga N. Chernyshev
AU1646
REM 4E84
20870
mail box 4D70

Needs rpm , rpb

2- 353aa

Searcher: Port
Phone:
Location:
Date Picked Up: 3/9
Date Completed: 3/10
Searcher Prep/Review: 12
Clerical:
Online time: 2

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: CS
WWW/Internet: _____
Other (specify): _____

116240

STIC-Biotech/ChemLib

From: Chernyshev, Olga
Sent: Monday, March 08, 2004 1:16 PM
To: STIC-Biotech/ChemLib
Subject: sequence search request

US case 09/905,075. Interference search for SEQ ID NO: 2.
Please print out a summary table of direct 100% hits.
Thank you very much!

*Olga N. Chernyshev
AU1646
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Searcher: _____
Phone: _____
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Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

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2	2005	100.0	353	4	US-09-905-075A-2
3	2005	100.0	353	4	US-09-902-775A-2
4	971.5	48.5	420	4	US-09-907-794A-109
5	971.5	48.5	420	4	US-09-905-125A-109
6	971.5	23.1	242	4	US-09-902-775A-109
7	463.5	12.8	77	4	US-09-312-283C-393
8	255.5	12.7	1253	3	US-09-621-976-010
9	254.5	12.7	6552	2	US-08-479-722B-4
10	254.5	12.7	1833	3	US-08-479-722B-4
11	250	12.5	1833	3	US-08-479-722B-4
12	250	12.3	1251	5	PCT-US95-02251-3
13	246.5	12.3	1252	1	US-08-199-80-3
14	246.5	12.3	1252	2	US-08-316-650-3
15	246.5	12.0	1394	6	Patent No. 5177197
16	240.5	12.0	5177197-30		
17	239	11.9	676	1	Sequence 4, Appli
18	239	11.9	676	1	Sequence 3, Appli
19	239	11.9	676	1	Sequence 3, Appli
20	239	11.9	676	2	Sequence 3, Appli
21	239	11.9	676	2	Sequence 3, Appli
22	239	11.9	676	3	Sequence 3, Appli
23	239	11.9	676	3	Sequence 3, Appli
24	239	11.9	676	3	Sequence 3, Appli
25	239	11.9	676	3	Sequence 3, Appli
26	238	11.9	509	4	Sequence 315, App
27	238	11.9	509	4	Sequence 315, App

PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO: 2
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-907-794A_2

Query Match 100.0%; Score 2005; DB 4; Length 353;
 Best Local Similarity 100.0%; Pred. No. 2.6e-150;
 Matches 353; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 MRLPRAALGLPLLPLLPLPAAEAKKPTPCHRGRGLVDKFKNQGMVDTAKKNFEGGNTAW 60
 Db 1 MRLPRAALGLPLLPLLPLPAAEAKKPTPCHRGRGLVDKFKNQGMVDTAKKNFEGGNTAW 60
 Qy 61 EKTLSKYSESSBIRLELILEGLCESSDFFECNQMLEAQEEHLLEAWWLQLKSEYPDLFEWFC 120
 Db 61 EKTLSKYSESSBIRLELILEGLCESSDFFECNQMLEAQEEHLLEAWWLQLKSEYPDLFEWFC 120
 Qy 121 VTKLKVCCSDOTYGPDCLAQGGSORPCSGNSHCGDGSQGDSCRCMNYQQLCCTDC 180
 Db 121 VTKLKVCCSDOTYGPDCLAQGGSORPCSGNSHCGDGSQGDSCRCMNYQQLCCTDC 180
 Qy 181 MDGYFSSLRNETHSCTACDBSCKTCGSLUTRDGCECYVWVLDEGACTVDDECAEPP 240
 Db 181 MDGYFSSLRNETHSCTACDBSCKTCGSLUTRDGCECYVWVLDEGACTVDDECAEPP 240
 Qy 241 CSAAQFKCNANGSYTCECDSCVGTCTGEGPNCXBCISGYAREHGQCADVDECSLAERT 300
 Db 241 CSAAQFKCNANGSYTCECDSCVGTCTGEGPNCXBCISGYAREHGQCADVDECSLAERT 300
 Qy 301 CVRKNCNCTPGSYVCVCDGFETTEDACTPPAFAATEGESEPTQLPSREDL 353
 Db 301 CVRKNCNCTPGSYVCVCDGFETTEDACTPPAFAATEGESEPTQLPSREDL 353

RESULT 2
 US-09-905-125A_2
 Sequence 2, Application US/09905125A
 Patient No. 664376
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Bacon, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sheeman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kjavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tunas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/905,125A
 CURRENT FILING DATE: 2001-07-12
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30991
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO: 2
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-905-125A_2

Query Match 100.0%; Score 2005; DB 4; Length 353;
 Best Local Similarity 100.0%; Pred. No. 2.6e-150;
 Matches 353; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLPRAALGLPLLPLLPLPAAEAKKPTPCHRGRGLVDKFKNQGMVDTAKKNFEGGNTAW 60
 Db 1 MRLPRAALGLPLLPLLPLPAAEAKKPTPCHRGRGLVDKFKNQGMVDTAKKNFEGGNTAW 60
 Qy 61 EKTLSKYSESSBIRLELILEGLCESSDFFECNQMLEAQEEHLLEAWWLQLKSEYPDLFEWFC 120
 Db 61 EKTLSKYSESSBIRLELILEGLCESSDFFECNQMLEAQEEHLLEAWWLQLKSEYPDLFEWFC 120
 Qy 121 VTKLKVCCSDOTYGPDCLAQGGSORPCSGNSHCGDGSQGDSCRCMNYQQLCCTDC 180
 Db 121 VTKLKVCCSDOTYGPDCLAQGGSORPCSGNSHCGDGSQGDSCRCMNYQQLCCTDC 180
 Qy 181 MDGYFSSLRNETHSCTACDBSCKTCGSLUTRDGCECYVWVLDEGACTVDDECAEPP 240
 Db 181 MDGYFSSLRNETHSCTACDBSCKTCGSLUTRDGCECYVWVLDEGACTVDDECAEPP 240
 Qy 241 CSAAQFKCNANGSYTCECDSCVGTCTGEGPNCXBCISGYAREHGQCADVDECSLAERT 300
 Db 241 CSAAQFKCNANGSYTCECDSCVGTCTGEGPNCXBCISGYAREHGQCADVDECSLAERT 300
 Qy 301 CVRKNCNCTPGSYVCVCDGFETTEDACTPPAFAATEGESEPTQLPSREDL 353
 Db 301 CVRKNCNCTPGSYVCVCDGFETTEDACTPPAFAATEGESEPTQLPSREDL 353

LENGTH: 353

TYPE: PRT

; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO: 2
 ; LENGTH: 353
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-902-775A-2

Query Match 100.0%; Score 2005; DB 4; Length 353;
 Best Local Similarity 100.0%; Pred. No. 2.6e-150;
 Matches 353; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	Appl. No.	Applicant	Sequence
Qy	1	MRLPRAAIGLPLLLPAAPEAKKTPCHRGLVDKFNQGMVDTAKKNFGGGNTAW	MDGYFSSLRNEHTSCTACDESKTCGTLTRDCECEVWVLDGACYVDECAABPPP
Db	1	MRLPRAAIGLPLLLPAAPEAKKTPCHRGLVDKFNQGMVDTAKKNFGGGNTAW	MDGYFSSLRNEHTSCTACDESKTCGTLTRDCECEVWVLDGACYVDECAABPPP
Qy	61	EETKLTKYSESSEIRLLEGLCCESSDFECNQMLEAQEEHLEAWNLQLKSEYPDLEFWFC	CQAQFCRNANGSTCECDSSCVGTGEGGNCCEISGYAREHQCAVDDECSLAEKT
Db	61	EETKLTKYSESSEIRLLEGLCCESSDFECNQMLEAQEEHLEAWNLQLKSEYPDLEFWFC	CQAQFCRNANGSTCECDSSCVGTGEGGNCCEISGYAREHQCAVDDECSLAEKT
Qy	121	VKTLKVKCCSPGTYGPDLCLACQCGSSORPCSGNHCSDGSQGDGSQRCHGNGQGPLCTDC	CVRGNENCYNTGPSYVCVCPDGFESTEDACVPPAERATEBSPTOLPSRDL
Db	121	VKTLKVKCCSPGTYGPDLCLACQCGSSORPCSGNHCSDGSQGDGSQRCHGNGQGPLCTDC	CVRGNENCYNTGPSYVCVCPDGFESTEDACVPPAERATEBSPTOLPSRDL
Qy	181	MDGYFSLSRNETSICTADESKTCGTLTRDCECEVWVLDGACYVDECAEBPPP	301 CVRKDENCYNTGPSYVCVCPDGFESTEDACVPPAERATEBSPTOLPSRDL
Db	181	MDGYFSLSRNETSICTADESKTCGTLTRDCECEVWVLDGACYVDECAEBPPP	301 CVRKDENCYNTGPSYVCVCPDGFESTEDACVPPAERATEBSPTOLPSRDL
Qy	241	CSAQFCRNANGSTCECDSSCVGTGEGGNCCEISGYAREHQCAVDDECSLAEKT	301 CVRKDENCYNTGPSYVCVCPDGFESTEDACVPPAERATEBSPTOLPSRDL
Db	241	CSAQFCRNANGSTCECDSSCVGTGEGGNCCEISGYAREHQCAVDDECSLAEKT	301 CVRKDENCYNTGPSYVCVCPDGFESTEDACVPPAERATEBSPTOLPSRDL

RESULT 3
US-09-902-775A-2
Sequence 2, Application US/09902775A
Patent No. 6,686,651

GENERAL INFORMATION:

- APPLICANT: Genantech, Inc.
- APPLICANT: Ashkenazi, Avi
- APPLICANT: Botstein, David
- APPLICANT: Denoyers, Luc
- APPLICANT: Eaton, Dan L.
- APPLICANT: Ferrara, Napoleone
- APPLICANT: Filvaroff, Ellen
- APPLICANT: Fong, Sherman
- APPLICANT: Gao, Wei Qiang
- APPLICANT: Gerber, Hanspeter
- APPLICANT: Gerritsen, Mary E.
- APPLICANT: Goddard, A.
- APPLICANT: Grimaldi, Christopher J.
- APPLICANT: Hillian, Kenneth, J.
- APPLICANT: Kliaavin, Ivar J.
- APPLICANT: Mather, Jennie P.
- APPLICANT: Pan, James
- APPLICANT: Paoni, Nicholas F.
- APPLICANT: Roy, Margaret Ann
- APPLICANT: Stewart, Timothy A.
- APPLICANT: Thomas, Daniel
- APPLICANT: Williams, P. Mickey
- APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same

FILE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/902-775A

CURRENT FILING DATE: 2001-07-10

PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: US 60/143, 048

PRIOR FILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145, 698

PRIOR FILING DATE: 1999-07-26

PRIOR FILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20594

PRIOR FILING DATE: 1999-09-08

PRIOR APPLICATION NUMBER: PCT/US99/20944

PRIOR FILING DATE: 1999-09-13

PRIOR APPLICATION NUMBER: PCT/US99/21090

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/22089

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR FILING DATE: 1999-11-29

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR FILING DATE: 1999-11-30

PRIOR APPLICATION NUMBER: PCT/US99/28564

RESULT 4
US-09-907-794A-109
Sequence 109, Application US/09907794A
Patent No. 6,635,468

GENERAL INFORMATION:

- APPLICANT: Gentech, Inc.
- APPLICANT: Ashkenazi, Avi
- APPLICANT: Botstein, David
- APPLICANT: Desnoyers, Luc
- APPLICANT: Eaton, Dan L.
- APPLICANT: Ferrara, Napoleone
- APPLICANT: Filvaroff, Ellen
- APPLICANT: Fong, Sherman
- APPLICANT: Gao, Wei-Qiang
- APPLICANT: Gerber, Hanspeter
- APPLICANT: Gerritsen, Mary E.
- APPLICANT: Goddard, A.
- APPLICANT: Grimaldi, Christopher J.
- APPLICANT: Hillian, Kenneth, J.
- APPLICANT: Kliaavin, Ivar J.
- APPLICANT: Mather, Jennie P.
- APPLICANT: Pan, James
- APPLICANT: Paoni, Nicholas F.
- APPLICANT: Roy, Margaret Ann
- APPLICANT: Stewart, Timothy A.
- APPLICANT: Thomas, Daniel
- APPLICANT: Williams, P. Mickey
- APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same

APPLICANT:	Tumas, Daniel
APPLICANT:	Williams, P. Mickey
APPLICANT:	Wood, William, I.
TITLE OF INVENTION:	Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same
FILE REFERENCE:	10466-14
CURRENT APPLICATION NUMBER:	US/09/907,794A
CURRENT FILING DATE:	2001-07-17
PRIOR APPLICATION NUMBER:	PCT/US00/04414
PRIOR FILING DATE:	2000-02-22
PRIOR APPLICATION NUMBER:	US 60/143,048
PRIOR FILING DATE:	1999-07-07
PRIOR APPLICATION NUMBER:	US 60/145,698
PRIOR FILING DATE:	1999-07-26
PRIOR APPLICATION NUMBER:	US 60/146,222
PRIOR FILING DATE:	1999-07-28
PRIOR APPLICATION NUMBER:	PCT/US99/20594
PRIOR FILING DATE:	1999-09-08
PRIOR APPLICATION NUMBER:	PCT/US99/20944
PRIOR FILING DATE:	1999-09-13
PRIOR APPLICATION NUMBER:	PCT/US99/21090
PRIOR FILING DATE:	1999-09-15
PRIOR APPLICATION NUMBER:	PCT/US99/21547
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PRIOR APPLICATION NUMBER:	PCT/US99/23089
PRIOR FILING DATE:	1999-10-05
PRIOR APPLICATION NUMBER:	PCT/US99/28214
PRIOR FILING DATE:	1999-11-29
PRIOR APPLICATION NUMBER:	PCT/US99/28313
PRIOR FILING DATE:	1999-11-30
PRIOR APPLICATION NUMBER:	PCT/US99/28564
PRIOR FILING DATE:	1999-12-02
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PRIOR FILING DATE:	1999-12-02
PRIOR APPLICATION NUMBER:	PCT/US99/30095
PRIOR FILING DATE:	1999-12-16
PRIOR APPLICATION NUMBER:	PCT/US99/30911
PRIOR FILING DATE:	1999-12-20
PRIOR APPLICATION NUMBER:	PCT/US99/30999
PRIOR FILING DATE:	1999-12-20
PRIOR APPLICATION NUMBER:	PCT/US00/00219
PRIOR FILING DATE:	2000-01-05
NUMBER OF SEQ ID NOS:	423
SEQ ID NO:	109
LENGTH:	420
TYPE:	prt
ORGANISM:	Homo sapiens
S-09 907-794A-109	
Query Match	48.5%
Best Local Similarity	48.2%
Matches	170
TYPE:	Conservative
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bb	12 AVIWLGLSLPNLPGPDIWQPSPPQSPPPQQPHPCRTGIVDSFKNGLEETIRDNGGG
Y	57 NTAWEEKTLKYSESEIRLLEILEGHCESSEDFECNQMLAEQEEHLLEAWNLQLKSEYPDLF
bb	72 NTAWEEENLSKYKDSETRLVELEGVCSKSDFECHRLLELSELSELYESWWFFHQQEADPLFL
Y	117 EWFCKTILKVCCKSPTGYPDCLACOGGSQPFCSGNHCGSGRSRQDGSCCHMGMQGP
bb	132 QWLCSDSLKLCPAGTGFPSCLPCPGGTENFGGGYQCEGGTRGSSGHCCQAGYGEA
Y	177 CTDDMDGFTSSLRNETHSITACDESCKTISGGLTNRDGCVWYLDEGACTVDEBCCA
bb	192 CGQGIGLYFEARNASHLVCSACGPACSGPESNSCLQQKKGWALHHLKCVDIBEGT
Y	237 EPPPCSAAOFCKNANGSYTECDDSSCVGCTGEGPNCNKECISGYAREHGGCADYDCECSL
bb	252 EGANGCAADOCVNTEGSYCRDCAKACLGNGAGPRCKCSPGTVQGVSKCLDVDECE-

Qy	297	AERKTYRNENCYNTPGSYVCVPDPGEETEDACYP--PAEA---EAEAGE	342
US-09-905-125A-109	Sequence 109, Application US/09905125A		
Db	Patent No. 664376		
	GENERAL INFORMATION:		
	APPLICANT: Genentech, Inc.		
	APPLICANT: Ashkenazi, Avi		
	APPLICANT: Botstein, David		
	APPLICANT: Desnoyers, Luc		
	APPLICANT: Eaton, Dan L.		
	APPLICANT: Ferrara, Napoleone		
	APPLICANT: Filvaroff, Ellen		
	APPLICANT: Fong, Sherman		
	APPLICANT: Gao, Wei-Qiang		
	APPLICANT: Gerber, Hanspeter		
	APPLICANT: Gerritsen, Mary E.		
	APPLICANT: Goddard, A.		
	APPLICANT: Godowski, Paul J.		
	APPLICANT: Grimaldi, Christopher J.		
	APPLICANT: Gurney, Austin L.		
	APPLICANT: Hillian, Kenneth J.		
	APPLICANT: Kjavin, Ivar J.		
	APPLICANT: Mather, Jennie P.		
	APPLICANT: Pan, James		
	APPLICANT: Paoni, Nicholas F.		
	APPLICANT: Roy, Margaret Ann		
	APPLICANT: Stewart, Timothy A.		
	APPLICANT: Tumas, Daniel		
	APPLICANT: Williams, P. Mickey		
	APPLICANT: Wood, William J.		
	TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same		
	FILE REFERENCE: 10466-14		
	CURRENT APPLICATION NUMBER: US/09/905,125A		
	CURRENT FILING DATE: 2001-07-12		
	PRIOR APPLICATION NUMBER: PCT/US00/04414		
	PRIOR FILING DATE: 2000-02-22		
	PRIOR APPLICATION NUMBER: US 60/143,148		
	PRIOR FILING DATE: 1999-07-07		
	PRIOR APPLICATION NUMBER: US 60/145,698		
	PRIOR FILING DATE: 1999-07-26		
	PRIOR APPLICATION NUMBER: US 60/146,222		
	PRIOR FILING DATE: 1999-07-28		
	PRIOR APPLICATION NUMBER: PCT/US99/20594		
	PRIOR FILING DATE: 1999-09-18		
	PRIOR APPLICATION NUMBER: PCT/US99/20944		
	PRIOR FILING DATE: 1999-09-13		
	PRIOR APPLICATION NUMBER: PCT/US99/21090		
	PRIOR FILING DATE: 1999-09-15		
	PRIOR APPLICATION NUMBER: PCT/US99/21547		
	PRIOR FILING DATE: 1999-09-15		
	PRIOR APPLICATION NUMBER: PCT/US99/23089		
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	PRIOR APPLICATION NUMBER: PCT/US99/30911		
	PRIOR FILING DATE: 1999-12-20		
	PRIOR APPLICATION NUMBER: PCT/US99/30999		
	PRIOR APPLICATION NUMBER: PCT/US00/00219		

PRIOR FILING DATE:	2000-01-05
NUMBER OF SEQ ID NOS:	423
SEQ ID NO: 109	
LENGTH:	420
TYPE:	PRT
ORGANISM:	Homo sapiens
S-09-905-125A-109	
Query Match	48.5%
Best Local Similarity	48.2%
Pred. No.	7e-69;
Matches	170;
Conservative	48;
Mismatches	116;
Indels	19;
Gaps	5;
7 AALGJPLLILP-----PAPEAA--KKKPTPCHRGRGLIDKFNPQGMVDTAKKNGGG 56	
12 AVLWGHSLFNLNPGIWLQSPPPQSPPSPPQPHCCTCRGLVTSFNKGKLERTRDNPFGG 71	
57 NTAWEEKTLSKYSESSBIRLILELLECLCESSDFBCRNQMLEAQEEHBLAWLQLKSEYPDLF 116	
72 NTAWEEENLSKYKDSETRLVEVLEVCVSISDFECCRLLSEELSEEVESWMPHKGQEADPLF 131	
117 BWFCTVTLKVCSPPTYGPDCACCGSOPRCPSGNHGCSGDSRQGDGSRCRHMGYQGPL 176	
132 QWLCSDSLKLUCCPAGTFGFSCLPCEGGTERPCGGYQCEGEGETRGSGHCDCAHGGEA 191	
177 CTDDMGYFSSLRNTHTSICTADESCKTCGSLTINRDCECEYGVWVLDGACYDVDECAA 236	
192 CGQCGLGYPPAERNSHLYVCASCPCARCGPBBNSCLQCKGWAHLHKCVDIDBEGT 251	
237 EPPPCSAAQFCNNANGSYTCECDPSCSVCTGEGPNCKECISGYAREHGCQADVDBECSL 296	
252 EGANCAGDQFVNTGTSYBGRDCAKACLGCMGASPRGRKCKSCPYQQGSKCLDVDECE- 310	
297 AEKTCYRQNENCYNTNGPSYVCVCPDGFETEADVP---PAEA---BATEGE 342	
311 -TEVPGENKOCENTEGGTRCICGKOMEGICCYKEOTPESGFSEMTDE 362	

RESULT 6
S-09-902-775A-109

PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
NUMBER OF SEQ ID NOS: 423
SPE 109

LINE OF INVENTION: AC/DC Encoding the same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,775A
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: PCT/US00/04414

RESULT 7
US-09-312-283C-39
; Sequence 393, A
; Patent No. 65573

RESULT 9
US-08-479-722B-4
; Sequence 4, Application US/08479722B
; Patent, No. 6074840
GENERAL INFORMATION:
; APPLICANT: Bonadio, Jeffrey
; APPLICANT: Yin, Wushan
TITLE OF INVENTION: LATENT TGF(BINDING PROTEIN (LTBP)
FILE REFERENCE: 11000_1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 425
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 393
LENGTH: 242
TYPE: PRT
ORGANISM: Mouse
US-09-312-283C-393

Query Match 23.1%; Score 463.5%; DB 4; Length 242;
Best Local Similarity 44.8%; Pred. No. 3.7e-29;
Matches 83; Conservative 1B; Mismatches 76; Indels 9; Gaps 3;

Qy 164 GSCRCHMGYQQGPLCTDCMDGYFSSLERNETHISCTACDESCTCSGIFTNRDQGCEVGVWYL 223
Db 1 GHCDCCAGYGGEAGQGLGPEEEHSLQCRKGWAL 60

Qy 224 DEGACYDVDECAAAPP CSAQAFCKNANGSTCCE DSSCGVCTGEGPNCNKECTSGYAR 283
Db 61 HHLKCVKDIDEGT EQATCGAQA CIGCM SAGP GPCKRCSRGYQQ 120

Qy 284 EHGQCADVDRDOSLAETKCVRNENCAINTPGSIVCVPDGFEETEACV---PPAE---A 336
Db 121 VGSKCLDVDECTEV - VCPGNEQCENTEGSYRCVCAEGFRQEDGTICVKEQIPESAGFFA 178

Qy 337 EATEGE 342
Db 179 EMTEDE 184

RESULT 8
US-09-621-976-4010
; Sequence 4010, Application US/09621976
; Patent, No. 6639063
GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENEST.05.PPR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 4010
LENGTH: 77

Query Match 12.8%; Score 256; DB 4; Length 77;
Best Local Similarity 94.1%; Pred. No. 2.3e-13;
Matches 48; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MRLPRAALGILPLILLLPAPAEAKKPTPCHRCRGLVDKFNOGMVDTAKK 51
Db 1 MRLPRAALGILPLILLLPAPAEAKKPTPCHRCRGLVDKFNOGMVDTKEE 51

RESULT 9
US-08-479-722B-4
; Sequence 4, Application US/08479722B
; Patent, No. 6074840
GENERAL INFORMATION:
; APPLICANT: Bonadio, Jeffrey
; APPLICANT: Yin, Wushan
TITLE OF INVENTION: LATENT TGF(GENES, COMPOSITIONS AND METHODS
FILE REFERENCE: 11000_1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Williams, Morgan & Amerson
STREET: 7676 Hillmont, Suite 250
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77040
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patientin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/479,722B
CLASSIFICATION: 07-JUN-1-95
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US PCT/US95/02251
FILING DATE: 21-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/316,650
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/199,780
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Fussey, Shelley P.M.
REGISTRATION NUMBER: 39,158
REFERENCE/DOCKET NUMBER: 4100-000500/FUS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (713) 934-7000
TELEFAX: (713) 934-7011
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1253 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-479-722B-4

Query Match 12.7%; Score 255.5; DB 3; Length 1253;
Best Local Similarity 24.0%; Pred. No. 5.3e-12;
Matches 102; Conservative 40; Mismatches 108; Indels 175; Gaps 25;

Qy 20 PAPEAAKPTPCHRGRGYDKENQMVDTAKKNFGGNTAWEEKTL SKYESSETRILL 79
Db 518 PYPILLSP- PTPFLPLPP----SSAVEAPQTQETDECRNLNI 564
Qy 80 - -ESJC- -ESSDP- -ECNOMLEAQEEHEAWIQLKSYPDLPEWFCYTKLKVCCSPTY 133
Db 565 CGHQQCVPGPSPDSCHCNAGYRSHPQR----- YCVDYN E-CEAEPIC 605

Qy 134 GPDILACQ- GGQRCPGNGHCS---- -GPGSRQ-----
Db 606 GPGKGICMNTGGSY---- -NCHCNRYGYLHVGGGRSSVLDNECAKPHLCGDGFCLNFP 660
Qy 165 ---SCRMGY---- -OGPLCTD----- -CMDGYSLSRNEHTS- CTACDESCTC 206
Db 661 GHYKCNCPCGYRKLASRPICEIDCDPSTCPDG-- -KCEKPGPSRCIAQPGYRSQ 717
Qy 207 SGLTNRDGECEVYWLDGACYDVAEEPPCSCAAQFCRNANGSYTC----- 256
Db 718 GG----- -GACRDVNED- SEGPPCSPO-WCENLPGSYRCTCAQGTRRT 758

QY 257 -----EECDSSCV--GCTGEGPNCK-ECISGY--AREHGCADVDECSLAEK--- 299
Db 759 GRILSCIDVDECAGRKVQDGITNTTPSQQCQLSGYHLSDRSRCDIDECSDFPAACIG 818

QY 300 -TCVRKNEN-----CYNTPGSYVCYCPCDGF 323
Db 819 GDCINTNGSYRCICPLSHRLVGRKCKKDIDESQDPGLCLPHACENLOGYVCYCDEGF 878

QY 324 EETED 328
Db 879 TLTQD 883

RESULT 10
US-08-751-305-2
Sequence 2, Application US/08751305
Patent No. 5965439

GENERAL INFORMATION:
APPLICANT: Teamer et al., Andrea J.
TITLE OF INVENTION: HOST DEFENSE ENHANCEMENT
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/751,305
FILING DATE: 18-NOV-1996
CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07306/012001

TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5099
TELEFAX: 619/678-5070

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 652
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-751-305-2

Query Match 12.7%; Score 254.5%; DB 2; Length 652;
Best Local Similarity 30.7%; Fred. No. 3.1e-12;
Matches 78; Conservative 27; Mismatches 88; Indels 61; Gaps 15;

QY 95 EAQEHEELAAWQLKSEYPDPDFEWFCVRLKVCSSGTYGDCLACQGGSORPCS-GNHH 153
Db 227 EGDKDETQSHYFLCKEKAQDFDW-----GSSGFLCVSPSKYG---CNEFNNGG 270

QY 154 CSGDGSRQGDGS-CRCHMGYQGPLCTDMGPFSSLRNETHSITCTACDESCKTCSGLTN 211
Db 271 CHODCEPGDDSFLLCGRPGRPR-LDDLVTF---CASRNPPSSPORGATCVLGPHGRK 325

QY 212 RDGCECEVGWYLDEGA-CVYDVECAAEAPPSCSAQFCKNANGSYTCECDSSC-VGCTG 268
Db 326 YTC-RCPQGYQDSSQLDCTVYDCEC-QDSDC-AQCVNTGGFRC-----CMVGYEP 375

QY 269 EGPGNCKECEIGYARYEHGQCDADVDECSLAETKTCVRKMEVNTPGSYVCPDGPB--- 324
Db 376 GSPG-----EGACQDVDECALGRSPCA---QGCTNTDSSHCSCEEGTVLAGE 420

QY 325 -----ETIEDACVPP 333
Db 421 DGTQCQJVDBCVGP 434

RESULT 11
US-08-479-722B-2
Sequence 2, Application US/08479722B
Patent No. 604840

GENERAL INFORMATION:
APPLICANT: Bonadio, Jeffrey
ADDRESS: Vial, Wushan
STREET: 7676 Hillmont, Suite 250
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77040

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Latent TGF (BINDING PROTEIN (LTBP)
TITLE OF INVENTION: GENES, COMPOSITIONS AND METHODS.
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Williams, Morgan & Amerson
STREET: 7676 Hillmont, Suite 250
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77040

PATENT APPLICATION DATA:
APPLICATION NUMBER: US/08/479,722B
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US PCT/US95/02251
FILING DATE: 21-FEB-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/316,650
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/199,780
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Fussey, Shelley P.M.
REGISTRATION NUMBER: 3,9,458
REFERENCE/DOCKET NUMBER: 4100-000500/FUS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (713) 934-7000
TELEFAX: (713) 934-7011
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1833 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-479-722B-2

Query Match 12.5%; Score 250; DB 3; Length 1833;
Best Local Similarity 24.8%; Pred. No. 2.e-11;
Matches 82; Conservative 22; Mismatches 94; Indels 132; Gaps 16;

Qy 128 CSPG-----TYGPDLACOGGSORPCSGNGHCSGDSRQGDGSRCRCHMGY----QG 174
Db 883 CSPGYQLHPSQDYCTDDNECM---RNPCBEGRCV--NSVGSYSCLCVPGYTLVLDGT 936

Qy 175 PLCTD-----CMGYFSSLRNETHSIC-----TACDESC 203
Db 937 QBCQDIDBECEQPGVSGGRCSNTEGSYHCDRGYIMVRKGHCODINEGRHPGTCPDGRC 996

Qy 204 KTCGSLTNRDGCCEGVWLDGACVYDDE-----CAAEP----238

Db 997 VNSPG-SYTCLACEBEGYVGQSGLVNECLTPGICTHGRCLNMEGSFRCSCEPGYEV 1054

Qy 239 -----PPCSA----AQFCRNANGSYTCBECDS-----SCVG-----265

Db 1055 PDKGCRDVECASRASCPTEGLCLNTEGSFTCSACQSGYWNNEDGTACEDLDECAFPGVC 1.114
 Qy 266 --- CTGE GPGNKECTSGYARE--HQQCADYDECSLAETCVRKNENCYNTPGSYVC 3.18
 Db 1115 PTGYCTNTVGSFSCKDQGYRNPLGRCEVDCEGPQSSC--RGGBCKNTBEGSTQCL 1.172
 Qy 319 CPDGFETE-----EDACVPPE 3.35
 Db 1173 CHQSFQLVNGTMCEDVNVCVGEEHCAPHE 12.02

RESULT 12
 Sequence 18, Application PC/TU95 02251-18
 GENERAL INFORMATION:
 APPLICANT: TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING BONE
 TITLE OF INVENTION: CELLS
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: Texas
 COUNTRY: United States of America
 ZIP: 77210

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/02251
 FILING DATE: CONCURRENTLY HEREWITH
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/316,650
 FILING DATE: 30-SEP-1994
 CLASSIFICATION:
 APPLICATION NUMBER: US 08/199,780
 FILING DATE: 18-FEB-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Parker, David L.
 REGISTRATION NUMBER: 32,165
 REFERENCE/DOCKET NUMBER: UMIIC009P--
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEFAX: (713) 789-2679
 TELEX: 79-0924

INFORMATION FOR SEQ ID NO: 18:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1833 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PCT-US95-02251-18

Query Match Score 250; DB 5; Length 1833;
 Best Local Similarity 24.8%; Pred. No. 2.2e-11;
 Matches 82; Conservative 22; Mismatches 94; Indels 132; Gaps 16;

Db 128 CSPG-----TYGPDPCLACQGGQRPGCGNKGSGDSRQGDGSCRCHMGY-----QG 1.74
 883 CSPYQYLHPSQDYCTDDNCM---RNPCBGRGRCV---NSVGSYSCLCPGFLVLTGDT 9.36

Qy 175 PLCTD-----CMDGYFSLSRNEHTSIC-----TACDBSC 20.3
 Db 937 QECQD1DCECQPGVCSGRGSNTSEGSYHCECDRGYIMVRKGHQCDINECRHPTCIPDGRC 9.96

Qy 204 KTCSGLTNRDGECEVGMWLDGACVYDVE-----CAEP----- 2.38

Db 997 VNSPG--SYTCLACERGIVGQSACVYDNECLTPGICTHRCJINMEGSFRCSCEPGYEV 1.054
 Qy 23.9 -----PPCSA----AOFCRNANGSYTCEBCDS-----SCVG----- 2.65
 Db 1055 PDKGCRDVECASRASCPTEGLCLNTEGSFTCSACQSGYWNNEDGTACEDLDECAFPGVC 1.114
 Qy 266 -----CTGE GPGNKECTSGYARE--HQQCADYDECSLAETCVRKNENCYNTPGSYVC 3.18
 Db 1115 PTGVCTNTVGSFSCKDQGYRNPLGRCEVDCEGPQSSC--RGGBCKNTBEGSTQCL 1.172
 Qy 319 CPDGFETE-----EDACVPPE 3.35
 Db 1173 CHQSFQLVNGTMCEDVNVCVGEEHCAPHE 12.02

RESULT 13
 PCT-US95-02251-3
 Sequence 3, Application PC/TU95 02251-1
 GENERAL INFORMATION:
 APPLICANT:
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING BONE
 NUMBER OF INVENTION: CELLS
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: Texas
 COUNTRY: United States of America
 ZIP: 77210

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/02251
 FILING DATE: CONCURRENTLY HEREWITH
 CLASSIFICATION:
 APPLICATION NUMBER: US 08/316,650
 FILING DATE: 30-SEP-1994
 CLASSIFICATION:
 APPLICATION NUMBER: US 08/199,780
 FILING DATE: 18-FEB-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Parker, David L.
 REGISTRATION NUMBER: 32,165
 REFERENCE/DOCKET NUMBER: UMIIC009P--
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEFAX: (713) 789-2679
 TELEX: 79-0924

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1251 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PCT-US95-02251-3

Query Match Score 24.6%; DB 5; Length 1251;
 Best Local Similarity 23.5%; Pred. No. 2.7e-11;
 Matches 100; Conservative 41; Mismatches 109; Indels 175; Gaps 25;

Qy 20 PAPEAAKKPTCPHCRGLVDKFNQGMVDTAKNFGGMNTAWBEKTLSKYESSEBIRLIL 7.9
 Db 51.7 PYBELLISSPSP-----PTPHRLPDLP-----SRSAVEIAPTQYETECCRUNQNI 5.63

Qy 80 --EGL-----ESSDF--ECNQMELAQEEHLAEWWLQLKSEYDPLFENFCVKTILRKCCSPGTY 1.33

564 CGHGQCVPGPSPDSCHCNAGYRSHPOHR----- YCVDNE -CEAEPIC 604
 Db 134 GPDCLACQ--GGSQRPCSGNNGHCS----- GDGSRQ----- 164
 Qy 605 GPKGKJGMNTGGSY----NCNCRGRLVHAGGRSCVDLNCAKPHLGDDGCINFP 659
 Db 165 ---SCRHMGY----QGPLCTD-----CMDGYFSSLRNETHSI-CTACADESCKTC 206
 Qy 660 GHYKCNCYPGRLKASRPPICEDIDECDRDPSTCPDG---KEAKPGPSFKCIAQPGYRSQ 716
 Db 207 SGLTNRDGEVGVWILDEGACYCVDYDECAEPPCASAQFCRNANGSYTC----- 256
 Qy 717 G3-----GACRDVNNEC-SEGTPCSPG-WCEKLPGSRTCAQGIRTRT 757
 Db 257 -----EBCDOSCV---GCTGEGPNCK-ECLSGY--AREHGQCADYDECISLAEK-- 299
 Qy 758 GRLSCIDVDDCAEAKVVCODGICNTNPGSQCCSGLSYHLSDRSRCEDIDECDPAAIG 817
 Db 300 -TCVRKNEN-----CYNTPGSYVCPDPGF 323
 Qy 818 GDCINTNGSYRCLPLGHRLVGSRKCKDIDBECSSQDPGLCLPHACENLOGYVVCVCDGF 877
 Db 324 EETED 328
 Qy 878 TLTQD 882
 Db 879 TLTQD 883
 RESULT 14
 US-08-199-780-3
 Application US/08199780
 Patent No. 5763416
 GENERAL INFORMATION:
 APPLICANT: Bonadio, Jeffrey
 TITLE OF INVENTION: Gene Transfer Into Bone Cells
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: TX
 COUNTRY: USA
 ZIP: 77210
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30B
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/199,780
 FILING DATE: 18-FEB-1994
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Parker, David
 REGISTRATION NUMBER: 32,165
 REFERENCE/DOCKET NUMBER: UMIC:002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 320-7200
 TELEFAX: (512) 474-1757
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1252 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-199-780-3
 Query Match 12.3%; Score 246.5; DB 1; Length 1252;
 Best Local Similarity 23.5%; Pred. No. 2.7e-11;
 Matches 100%; Conservative 41; Mismatches 109; Indels 175; Gaps 25;
 Qy 518 PYPELISRSPSP-----PTEFHRRFDLPP----SRSAVETIAPTQYTETDECRLNQNTI 564
 Db 80 --EGLC--ESSDFE-BGNOMLEAQEBHLEAWMLQLKSEYPDLFEMFVYKTLKVCSPGTY 133
 Qy 565 CGHQGQVPGPBDYSCHRNAGFRSHPRHR-----YCVDNE -CEAEPIC 605
 Db 134 GPDCLACQ--GGSQRPCSGNNGHCS-----GDGSRQ----- 164
 Qy 606 GPKGKJGMNTGGSY----NCNCRGRLVHAGGRSCVDLNCAKPHLGDDGCINFP 660
 Qy 165 --SCRHMGY----OGPLCTD-----CMGYFSSLRNETHSI-CTACADESCKTC 206
 Db 661 GHYKCNCYPGRLKASRPPICEDIDECDRDPSTCPDG---KCENKPGSPFKCIAQPGYRSQ 717
 Qy 207 SGLTNRDGEVGVWILDEGACYCVDYDECAEPPCSAAQFCRNANGSYTC----- 256
 Db 718 GS-----GACRDVNEC-SEGTPCSPG-WCEKLPGSRTCAQGIRTRT 758
 Qy 757 -----EECDSSV--GCTGEGPNCK-ECLSGY--AREHGQCADYDECISLAEK-- 299
 Db 759 GRLSCIDVDDCAEAKVVCODGICNTNPGSQCCSGLSYHLSDRSRCEDIDECDPAAIG 818
 Qy 300 -TCVRKNEN-----CYNTPGSYVCPDPGF 323
 Db 819 GDCINTNGSYRCLPLGHRLVGSRKCKDIDBECSSQDPGLCLPHACENLOGYVVCVCDGF 877
 Qy 324 EETED 328
 Db 879 TLTQD 883
 RESULT 15
 US-08-316-650-3
 Sequence 3, Application US/08316650
 ; General Information:
 ; Patent No. 5932496
 ; NUMBER OF SEQUENCES: 15
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Arnold, White & Durkee
 ; STREET: P.O. Box 4433
 ; CITY: Houston
 ; STATE: Texas
 ; COUNTRY: USA
 ; ZIP: 77210
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/316,650
 ; FILING DATE: 30-SEP-1994
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Parker, David
 ; REGISTRATION NUMBER: 32,165
 ; REFERENCE/DOCKET NUMBER: UMIC:002
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (512) 320-7200
 ; TELEFAX: (512) 474-1757
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1252 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-199-780-3
 ; Query Match 12.3%; Score 246.5; DB 1; Length 1252;
 ; Best Local Similarity 23.5%; Pred. No. 2.7e-11;
 ; Matches 100%; Conservative 41; Mismatches 109; Indels 175; Gaps 25;
 ; Qy 1252 PAPAEAAKKPTPCHRGRGLVNDKENOGMVDTAKNFGGGNTAEEKLTKSKYESSEIEIRULEIL 79
 ; Sequence Characteristics:
 ; INFORMATION FOR SEQ ID NO: 3:
 ; REFERENCE/DOCKET NUMBER: UMIC:002
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (512) 418-3000
 ; TELEFAX: (713) 789-2679
 ; TELEX: 79-0924
 ; Sequence Characteristics:
 ; INFORMATION FOR SEQ ID NO: 3:

```

; LENGTH: 1252 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-316-650-3

Query Match 12.3%; Score 246.5; DB 2; Length 1252;
Best Local Similarity 23.5%; Pred. No. 2.7e-11; Mismatches 109; Indels 175; Gaps 25;
Matches 100; Conservative 41; No. 2.7e-11;
Qy 20 PAPEAKKPTPCHRGRGLVDKFNOGRVDTAKKNFGGNTAWEEKTLKSYESETRLLEIL 79
Db 518 PYPELISRSP-----PFHRFLPDLP-----SRSAVEIAPIQTQVTEDECRLNQNI 564
Qy 80 --EGLC--ESSDF--BCNOMLEAQEHLEAWLQLKSEYPPLFENFCVKTLKVCCSPGTY 133
Db 565 GHGQCVPGPDSCHCNAGRSHPQR-----YCVDYNE--CEAEPIC 605
Qy 134 GDPCLACQ--GGSQRPMSGNGHCS-----GDGSRQ-----GDG-----164
Db 606 GPKGIGCMNTGGSY----NCHCNRYXRLAVGAGRSVCDLINEAKPHLGFCINFP 660
Qy 165 --SCRCHMGY----QGPLCTD-----CMDGYFSSLRNETHSI-CTADESCKTC 206
Db 661 GHYKCNCNCPG3YRLKASRPPIDECRDPSTCPDG--KONENKGSFKIACQPGYRSQ 717
Qy 207 SGLTNRDGCGEBVGWVLDEGACVVDCAAAFPPCGSAAQCKNANGSYTC-----256
Db 718 GG-----GACRDYNEC-SEGTPSPG-MCEKLPGSYRCTAQGIRRT 758
Qy 257 -----EECDSSCV---GCTGEGPQNCX-ECISGY--AREHGQCADYDECSLAEK--299
Db 759 GRLSCIDVDDDEAGRVQDGICNTFGSFQQQLSGYHLSRDRSRCEDIDECDPAAACIG 818
Qy 300 -TCVRKNN-----CYNTGCSTVVCYCPDGF 323
Db 819 GDCINTNRGSYRCLCPGLGHRLVGGRKCKKDIECSQDPGLCLPHACENLQGSYYVCDEGF 878
Qy 324 EETED 328
Db 879 TLTQD 883

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Search completed: March 9, 2004, 16:00:05
 Job time : 25 secs